

Flight-Testing Newton's Laws			
2004 Science			
Grade Level Expectations			
Louisiana Science			
Grade 9			
Activity/Lesson	State	Standards	
Session-10 (1-5)	LA	SCI.9.PS.34	Demonstrate Newton's three laws of motion (e.g., inertia, net force using $F = ma$, equal and opposite forces)
Session-1 (1-17)	LA	SCI.9.PS.34	Demonstrate Newton's three laws of motion (e.g., inertia, net force using $F = ma$, equal and opposite forces)
Session-2 (1-10)	LA	SCI.9.PS.34	Demonstrate Newton's three laws of motion (e.g., inertia, net force using $F = ma$, equal and opposite forces)
Session-3 (1-6)	LA	SCI.9.PS.33	Calculate velocity and acceleration using equations
Session-3 (1-6)	LA	SCI.9.PS.34	Demonstrate Newton's three laws of motion (e.g., inertia, net force using $F = ma$, equal and opposite forces)
Session-5 (1-6)	LA	SCI.9.PS.33	Calculate velocity and acceleration using equations
Session-5 (1-6)	LA	SCI.9.PS.34	Demonstrate Newton's three laws of motion (e.g., inertia, net force using $F = ma$, equal and opposite forces)
Session-6 (1-8)	LA	SCI.9.PS.33	Calculate velocity and acceleration using equations
Session-6 (1-8)	LA	SCI.9.PS.34	Demonstrate Newton's three laws of motion (e.g., inertia, net force using $F = ma$, equal and opposite forces)
Session-7 (1-5)	LA	SCI.9.PS.33	Calculate velocity and acceleration using equations
Session-7 (1-5)	LA	SCI.9.PS.34	Demonstrate Newton's three laws of motion (e.g., inertia, net force using $F = ma$, equal and opposite forces)
Session-8 (1-9)	LA	SCI.9.PS.33	Calculate velocity and acceleration using equations
Session-8 (1-9)	LA	SCI.9.PS.34	Demonstrate Newton's three laws of motion (e.g., inertia, net force using $F = ma$, equal and opposite forces)
Session-9 (1-7)	LA	SCI.9.PS.33	Calculate velocity and acceleration using equations
Session-9 (1-7)	LA	SCI.9.PS.34	Demonstrate Newton's three laws of motion (e.g., inertia, net force using $F = ma$, equal and opposite forces)
Flight-Testing Newton's Laws			
2004 Science			
Grade Level Expectations			
Louisiana Science			
Grades 11-12 (Physics)			
Activity/Lesson	State	Standards	

Session-10 (1-5)	LA	SCI.11-12.PS.9	Describe and measure motion in terms of position, displacement time, and the derived quantities of velocity and acceleration
Session-1 (1-17)	LA	SCI.11-12.PS.9	Describe and measure motion in terms of position, displacement time, and the derived quantities of velocity and acceleration
Session-3 (1-6)	LA	SCI.11-12.PS.9	Describe and measure motion in terms of position, displacement time, and the derived quantities of velocity and acceleration
Session-3 (1-6)	LA	SCI.11-12.PS.16	Analyze circular motion to solve problems relating to angular velocity, acceleration, momentum, and torque
Session-4 (1-11)	LA	SCI.11-12.PS.16	Analyze circular motion to solve problems relating to angular velocity, acceleration, momentum, and torque
Session-5 (1-6)	LA	SCI.11-12.PS.9	Describe and measure motion in terms of position, displacement time, and the derived quantities of velocity and acceleration
Session-5 (1-6)	LA	SCI.11-12.PS.16	Analyze circular motion to solve problems relating to angular velocity, acceleration, momentum, and torque
Session-6 (1-8)	LA	SCI.11-12.PS.9	Describe and measure motion in terms of position, displacement time, and the derived quantities of velocity and acceleration
Session-6 (1-8)	LA	SCI.11-12.PS.16	Analyze circular motion to solve problems relating to angular velocity, acceleration, momentum, and torque
Session-7 (1-5)	LA	SCI.11-12.PS.9	Describe and measure motion in terms of position, displacement time, and the derived quantities of velocity and acceleration
Session-7 (1-5)	LA	SCI.11-12.PS.16	Analyze circular motion to solve problems relating to angular velocity, acceleration, momentum, and torque
Session-8 (1-9)	LA	SCI.11-12.PS.9	Describe and measure motion in terms of position, displacement time, and the derived quantities of velocity and acceleration
Session-8 (1-9)	LA	SCI.11-12.PS.16	Analyze circular motion to solve problems relating to angular velocity, acceleration, momentum, and torque
Session-9 (1-7)	LA	SCI.11-12.PS.9	Describe and measure motion in terms of position, displacement time, and the derived quantities of velocity and acceleration
Session-9 (1-7)	LA	SCI.11-12.PS.16	Analyze circular motion to solve problems relating to angular velocity, acceleration, momentum, and torque